**2.2– Multiplying Decimal Numbers**

**http://www.youtube.com/watch?v=JEKhvrND-kE**

Name:\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_

**Lesson Focus: Mathletes will be multiplying Decimals Today!!!**

When multiplying decimals, estimation can again be used to check our answer

Example: Brooke loves to read books. She finds 5 books at a cost of $1.65 each in a scholastic book order form. She has $9.00 in change (coins). Can she afford to buy all of these books?

How can she estimate to see if she has enough money?

Is it better for her to overestimate or underestimate in this case?

**Multiplying Decimals**

* Good News mathletes!!!! The process of multiplying decimals is no different from multiplying any other two numbers
* The number of decimal places in the final answer depends on the number of decimal places that you start with

**Let’s work together yeah, yeah, yeah!: Help Mrs. Kidd make up interesting stories that would fit these equations.**

1. 1.5 x 3
2. 7.5 × 1.2
3. 3.6 × 4.0

**Problem Solving:**

After learning how to make apple pies in food class, Cameron will prepare a whole bunch of pies for his family (and store them in the freezer for a quick and yummy dessert). He will need 4.5 pounds of apples to make the pies. Apples cost $1.29 / lb. What will the total cost of the apples be?